

Top Ten Highest Historical Crests: Shenandoah River at Cootes Store

Latitude: 38.637

Period of Record: 1877-Present

Longitude: -78.853

Flood Stage: 15

Last Flood: 4/16/2011

Total Number of Floods: 23

Date of Flood	Crest (ft)	Streamflow (cfs)	Wx Comments
9/6/1996	27.86	63,400	Hurricane Fran produced up to 16 inches of rain in the western part of Virginia and up to 7 inches in the Juniata Basin in Pennsylvania. Fran was the worst flood even to hit Maryland since Hurricane Hazel and the January 1996 Flood.
10/15/1942	25.30	50,000	The remnants of the eighth tropical storm of the year produced torrential rains and caused the worst river flooding in the history of Virginia.
11/4/1985	25.13	49,200	Hurricane Juan produced more than 1 inch of rain in VA with more than 7 inches reported in higher elevations. A coastal low pressure system produced an additional 1-7 inches of rain and caused widespread major flooding in Virginia and Maryland.
3/17/1936	23.25	40,500	Two successive rainstorms combined with snowmelt flooded the Eastern Seaboard from Virginia to Maine. A total of 150 to 200 lives were lost and damage estimates were over \$1 million.
11/25/1877	20.90	-9,999	Actual date unknown.
1/19/1996	19.71	27,000	Southerly winds, high dewpoints and intense rainfall caused a rapid snowmelt. The resultant flooding was the worst to hit the entire MARFC area since 1972.
10/5/1972	19.50	26,400	A weak low pressure system and a cold front produced 6-8 inches of rain in the Shenandoah Valley, with locally heavier amounts of up to 11 inches.
12/1/1934	19.00	24,600	The weather summary is unavailable at this time.
6/1/1889	18.80	-9,999	A mesoscale convective complex caused 9 inches of rain to fall in 36 hours with 4 inches of rain occurring in 8 hours. Most of Williamsport, Lock Haven, Muncy, Jersey Shore and Montgomery were submerged.

Drainage Area: 210 sq mi

Gage Datum: 1051.8 ft MSL

Shenandoah Basin

County of Gage: Rockingham

County of Forecast Point: Rockingham

Date of Flood	Crest (ft)	Streamflow (cfs)	Wx Comments
3/19/1975	17.29	19,500	Rainfall from a series of weak lows and cold fronts combined with snowmelt to create widespread flooding throughout five states in the Mid-Atlantic.

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Shenandoah Basin

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